



# Buncombe County Landfill, North Carolina



## Potential Landfill Gas End-Use Options

### Landfill Characteristics

Landfill Gas Collection System Installed in Closed Portion of LF Yes ☐ No ☐

Regulated by New Source Performance Standards (NSPS)<sup>a</sup> Yes ☐ No ☐

Section 29 Tax Credits Available Yes ☐ No ☐

a. The landfill is not currently required by NSPS to install a gas collection and control system, although emissions estimation is required based on the landfill's design capacity. Tier 1 modeling indicates emissions less than 50 Mg NMOC/yr.

### Landfill Gas Flow and Estimated Energy Capacity

	2002	2010
Landfill Gas Generation (cfm)*	475	958
Direct Use Capacity (mmBtu/hr)	14.4	29.1
Electric Capacity (MW)	1.4	2.91
*Landfill gas generation based on EPA EPLUS Software or Metered Data		

### Potential End Users Identified

Company Name	Address	Distance from Landfill	Potential Project Type	Contact Information	Notes
Velvet Ridge Greenhouses Incorporated	1468 Bear Creek Rd. Asheville, NC 28806	5.4 Miles	Direct combustion in greenhouse heaters	Hyman Young (828) 683-2056	Greenhouse heaters for 20 acres of land.
Buncombe County	2229 Riverside Dr. Asheville, NC 28804	0	Alternative vehicle fuel	Bob Hunter (828) 250-5466	Convert transit fleet from diesel to compressed natural gas.

### Potential State Financial Incentives Identified

*All Renewables Tax Credit* – North Carolina Solar Center at 919-515-9781

### Landfill Contact Information

**Name:** Bob Hunter **Phone:** (828) 250-5466  
**Title:** General Services Director **Fax:** (828) 232-4407  
**Address:** 2229 Riverside Drive **Email:** hunterb@co.buncombe.nc.us  
 Asheville, NC 28804

**LMOP Contact Information:** Brian Guzzone, [Guzzone.Brian@epa.gov](mailto:Guzzone.Brian@epa.gov), (202) 564-2666

Information in this document is based on telephone conversations with company representatives and assumptions regarding landfill gas flows and is provided to the best of our ability. However, EPA does not endorse the accuracy and validity of this data.